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<b>Notice of Allowability</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/653,976		NAKAJIMA, KENTARO	
	<b>Examiner</b>		<b>Art Unit</b>	
	Long K. Tran		2818	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to July 14, 2005.
2. ☒ The allowed claim(s) is/are 5, 9, 10, 13, 17, 18, 21, 24 - 26, 29, 32, 34 and 37.
3. ☒ The drawings filed on 04 September 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.


Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____  |

  
**David Nelms**  
 Supervisory Patent Examiner  
 Technology Center 2800

## **DETAILED ACTION**

### ***Response to Amendment***

1. This office action is in response to Amendment filed on July 14, 2005
2. Claims **1 – 4, 6 – 8, 11, 12, 14 – 16, 19 – 20, 22 – 23, 27, 28, 30, 31, 33, 35 and 36** have been cancelled.
3. Claims **5, 9, 13, 17, 18, 21, 24, 29, 32, 34 and 37** have been amended.
4. Claims **5, 9, 10, 13, 17, 18, 21, 24 – 26, 29, 32, 34 and 37** are presented for examination.

### ***Allowable Subject Matter***

5. Claims **5, 9, 10, 13, 17, 18, 21, 24 – 26, 29, 32, 34 and 37** are allowed.
6. The following is an examiner's statement of reasons for allowance: Claims **5, 9, 10, 13, 17, 18, 21, 24 – 26, 29, 32, 34 and 37** are allowable over the prior art of record because none of the prior art whether taken singularly or in combination, especially when these limitations are considered within the specific combination claimed, to teach:

Lead frame including a metal crystal material including sendust and Finemet as cited in the independent claim 5; lead frame comprising a frame body of Cu or Fe that covered with high-permeability magnetic material film formed of a resin paste containing a high-permeability magnetic powder as cited in the independent claim 9; resin is mixed with a high-permeability magnetic particulate including Mn-Zn ferrite and an additive, and yttrium iron garnet and an additive as cited in the independent claim 13; at least one of the die bonding agents (materials) contains high-permeability magnetic powder as cited in the independent claim 17; die bonding agent comprising a sheet member having a foil member

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of high-permeability magnetic material located between two adhesive resin sheets as cited in the independent claim 18; resin is mixed with a high-permeability magnetic particulate including Mn-Zn ferrite and yttrium iron garnet as cited in the independent claim 21; the heat sink covered with a high-permeability magnetic material film functioning as the magnetic guide as cited in the independent claim 24; the base board is made of a high-permeability magnetic material and functions as the magnetic guide as cited in the independent claim 29; resin is mixed with a high-permeability magnetic particulate including Mn-Zn ferrite and an additive, and yttrium iron garnet and an additive as cited in the independent claim 32; the base board is made of a high-permeability magnetic material and functions as the magnetic guide as cited in the independent claim 34; resin is mixed with a high-permeability magnetic particulate including Mn-Zn ferrite and an additive, and yttrium iron garnet and an additive as cited in the independent claim 37; and among other limitations cited in the independent claims 5, 9, 13, 17, 18, 21, 24, 29, 32, 34 and 37.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Long K. Tran whose telephone number is 571-272-1797. The examiner can normally be reached on Mon-Thu.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Long Tran



August 04, 2005



David Nelms  
Supervisory Patent Examiner  
Technology Center 2800